

What Is Claimed Is:

1 1. A system of device information management,
2 comprising:

3 an application device including a RAM (Random-Access
4 Memory); and

5 a BIOS (Basic Input/Output System) ROM (Read-Only Memory)
6 including a BIOS and implementing a specific data
7 structure to store device information for said
8 application device.

1 2. The system of device information management as claimed
2 in claim 1, wherein when said computer system boots, said BIOS
3 reads device information, and writes into said RAM.

1 3. The system of device information management as claimed
2 in claim 2, wherein said application device loads device
3 information from said RAM.

1 4. The system of device information management as claimed
2 in claim 1 further comprising a device driver corresponding to
3 said application device to update device information in said BIOS
4 ROM using a standard function call.

1 5. The system of device information management as claimed
2 in claim 4, wherein said BIOS writes said updated device
3 information into said RAM.

1 6. The system of device information management as claimed
2 in claim 5, wherein said application device loads said updated
3 device information from said RAM.

1 7. The system of device information management as claimed
2 in claim 1, wherein said specific data structure is a DMI (Desktop
3 Management Interface) data structure.

1 8. The system of device information management as claimed
2 in claim 4, wherein said standard function call is a BIOS PNP
3 (Plug and Play) function call.

1 9. The system of device information management as claimed
2 in claim 1, wherein said application device is a LAN (Local Area
3 Network) chip.

1 10. The system of device information management as claimed
2 in claim 1, wherein said application device is an IEEE 1394 chip.

1 11. The system of device information management as claimed
2 in claim 1, wherein device information is a PHY ID (Physical
3 Identification).

1 12. The system of device information management as claimed
2 in claim 1, wherein device information is a MAC (Media Access
3 Control) address.

1 13. A method of device information management, comprising
2 steps of:

3 providing an application device including a RAM
4 (Random-Access Memory);

5 providing a BIOS (Basic Input/Output System) ROM (Read-Only
6 Memory) including a BIOS; and

7 implementing a specific data structure to said BIOS ROM to
8 store device information of said application device.

1 14. The method of device information management as claimed
2 in claim 13 further comprising reading of device information,
3 and writing thereof to said RAM by said BIOS when said computer
4 system boots.

1 15. The method of device information management as claimed
2 in claim 14 further comprising loading of device information from
3 said RAM by said application device.

1 16. The method of device information management as claimed
2 in claim 13 further comprising update of device information in
3 said BIOS ROM using a standard function call by a device driver
4 corresponding to said application device.

1 17. The method of device information management as claimed
2 in claim 16 further comprising writing of said updated device
3 information to said RAM by said BIOS.

1 18. The method of device information management as claimed
2 in claim 17 further comprising loading of said updated device
3 information from said RAM by said application device.

1 19. The method of device information management as claimed
2 in claim 13, wherein said specific data structure is a DMI
3 (Desktop Management Interface) data structure.

1 20. The method of device information management as claimed
2 in claim 16, wherein said standard function call is a BIOS PNP
3 (Plug and Play) function call.

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1 21. The method of device information management as claimed
2 in claim 13, wherein said application device is a LAN (Local Area
3 Network) chip.

1 22. The method of device information management as claimed
2 in claim 13, wherein said application device is an IEEE 1394 chip.

1 23. The method of device information management as claimed
2 in claim 13, wherein device information is a PHY ID (Physical
3 Identification).

1 24. The method of device information management as claimed
2 in claim 13, wherein device information is a MAC (Media Access
3 Control) address.